BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Construction of RCC drains & Culvert in Balance Work Yalahanka 4th phase and surrounding areas in ward no:03 Yelahanka sub Division

JOB NUMBER.:

GO.No- Est. Amount = 100.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing and resetting of footpath slab								
	KPWD S.R 2018-19	lt.	37.56		Pg.No.	270			
	4th Phase SFS 208 Main Road		2	400.00	0.90		720.00		
	Total						720.00		
	Consider 40% Existing slab						288.00		
						Total Qty	288.00	208.82	60,140.16
2	Removing and resetting of kerb stones								
	KPWD S.R 2018-19	lt.	37.57		Pg.No.	270			
	4th Phase SFS 208 Main Road		2	400.00			800.00		
	Total						800.00		
	Consider 40% Existing slab						320.00		
						Total Qty	320.00	104.94	33,580.80
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specificationsand as per directoins of the Engineer in charge of work.								
	KPWD S.R 2018-19	lt.	19.10		Pg.No.	130			
	New CC Drain								
	4th Phase SFS 208 Main Road		2	400.00	1.00	1.00	800.00		
	4th Phase near Bhagyalakshmi Restorant		2	162.00	1.00	1.00	324.00		
	New culverts								
	Cross Roads		1	6.00	1.50	1.20	10.80		
	New kerb						0.00		
	4th Phase SFS 208 Main Road		2	270.00	0.20	0.20	21.60		
						Total Qty	1156.40	211.79	244,911.64
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete Cum of Mix 1:3:6 with OPC @ 220kgs, with 40mm anddown size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2								
	KPWD S.R 2018-19	lt. No.	4.2.		Pg.No.	13			
	New CC Drain								
	4th Phase SFS 208 Main Road		2	400.00	1.00	0.15	120.00		
	4th Phase near Bhagyalakshmi Restorant		2	162.00	1.00	0.15	48.60		
	New culverts	cum							
	Cross Roads		1	6.00	1.50	0.15	1.35		
	New kerb								
	4th Phase SFS 208 Main Road		2	270.00	0.20	0.10	10.80		
						Total Qty	180.75	5505.64	995,144.43
5	Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification and as per directoins of the Engineer in charge of work.								
	KPWD S.R 2018-19	lt.	28.8.2		Pg.No.	229			
	One cubic mt 60kg For Drain	T	1		26.30		26.30		
	One cubic mt 90kg For Culvert		1		0.33		0.33		
						Total Qty	26.63	72326.98	1,926,067.48

No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Providing and laying plain/reinforced cement concrete for side drains Wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500,1700, 2200. including cost of materials, labour, HOM complete as per specifications.								
	KPWD S.R 2018-19	lt.	37.59.1.		Pg.No.	271			
	Buttom Slab	cum							
	New CC Drain								
	4th Phase SFS 208 Main Road		2	1	400.00	1.00	0.15	120.00	
	4th Phase near Bhagyalakshmi Restorant		2	1	162.00	1.00	0.15	48.60	
	Side Walls								
	4th Phase SFS 208 Main Road		2	2	400.00	0.15	0.80	192.00	
	4th Phase near Bhagyalakshmi Restorant		2	2	162.00	0.15	0.80	77.76	
	New Culverts								
	Bottom Slab		1	1	6.00	1.30	0.20	1.56	
	Side Walls		1	2	6.00	0.20	0.90	2.16	
							Total Qty	442.08	7070.20	3,125,594.02
7	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of cost of all materials(data Rate enclosed)								
	Approved Data Rate	Sqm							
	Damaged Portion of Drain								
	4th Phase SFS 208 Main Road		2		270.00	0.90		486.00	
	4th Phase near Bhagyalakshmi Restorant		2		162.00	0.90		291.60	
							Total Qty	777.60	2337.00	1,817,251.20
8	Providing and laying Pre Cast Drain Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)								
	Approved Data Rate								
	New Culverts								
	Cross Roads	Sqm	1		6.00	1.20		7.20	
							Total Qty	7.20	5418.00	39,009.60
9	Providing and fixing Pre cast solid concrete kerb stones of size 450 x 200 x 400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per specifications and as per directions of Engineer in charge of work.								
	KPWD S.R 2018-19	lt.	5.29.1		Pg.No.	27			
	New Kerb for Damaged Portion								
	4th Phase SFS 208 Main Road	Nos	2		600.00			1200.00	
							Total Qty	1200.00	477.00	572,400.00
10	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and as per directoins of the Engineer in charge of work.								
	KPWD S.R 2018-19	lt.	24.1.		Pg.No.	180			
	New Kerb								
	4th Phase SFS 208 Main Road	Sqm	2		400.00	0.45		360.00	
							Total Qty	360.00	84.80	30,528.00
	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	For Grill Pole								
	for car parking gril work								
	front side	Cum	91	0.45	0.6	0.6		14.742		
	Basic rate								5328.00	
	Area weightage 6%								319.68	
	Total							14.74	5647.68	83258.09856

Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
KSRB 14.9-2 : Providing and laying M-15 cement concrete flooring 60 mm thick with metallic concrete hardner toping layer of 45mm thick M-15 cement concrete using broken granite metal of 20mm and down size and top layer of 15mm t... metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with metalic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement = 1 part of metallic floor hardening compound of approved quality by wt) , including finishing, cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.4 page no 104 item no 14.14									
M15 HARDNER									
old parking (space b/w toilet room and park)									
rectangle shape	Sqm	1	76.5	8.1		619.65	619.65		
triangle	Sqm	1	20.0	2.38		47.6	47.6		
triangle	Sqm	1	20	0.6		12	12		
triangle	Sqm	1	5	1.67		8.35	8.35		
rectangle shape	Sqm	1	1.67	10		16.7	16.7		
triangle	Sqm	1	8.25	1.67		13.7775	13.7775		
new parking (b/w park and temple									
rectangle shape	Sqm	1	49.8	7.8		388.752	388.752		
triangle	Sqm	1	24.9	0.6		14.952	14.952		
park and footpath area									
	Sqm	1	156	7.8		1215.24	1215.24		
Basic rate								701.00	
Area weightage 6%								42.06	
Total							2337.02	743.06	1736547.196
3 . Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work									
gril works (for car parking)									
front side	sqm	1	272		1.8		490		
Data Rate									
Total							490.00	9144.14	4480592.02
								Total Constrution cost	**15,145,024.65**
								Project management And Consultancy Charges(1% of estimated cost)	**151,450.25**
								Tender Premium (5% of Estimated Cost)	**315,019.00**
								GST Charges (12% of estimated cost)	**1,817,402.96**
								Miscellaneous & Rounding Off	**71,103.15**
								Grand Total	**17,500,000.00**

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2018-19
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer AE-3
Ward-03
BBMP - Bangalore

Assistant Executive Engineer
Yelahanka Sub Division
BBMP - Bangalore

Executive Engineer
Yelahanka Division
BBMP - Bangalore

...strative Sanction for Rs. ...175.00
...one lakh Seventy five
...thousand only
is accorded under head ...2019-20
...14th finance grants
...
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No EE/YNK/AS/03/2020-21 Dt 9.4.2020

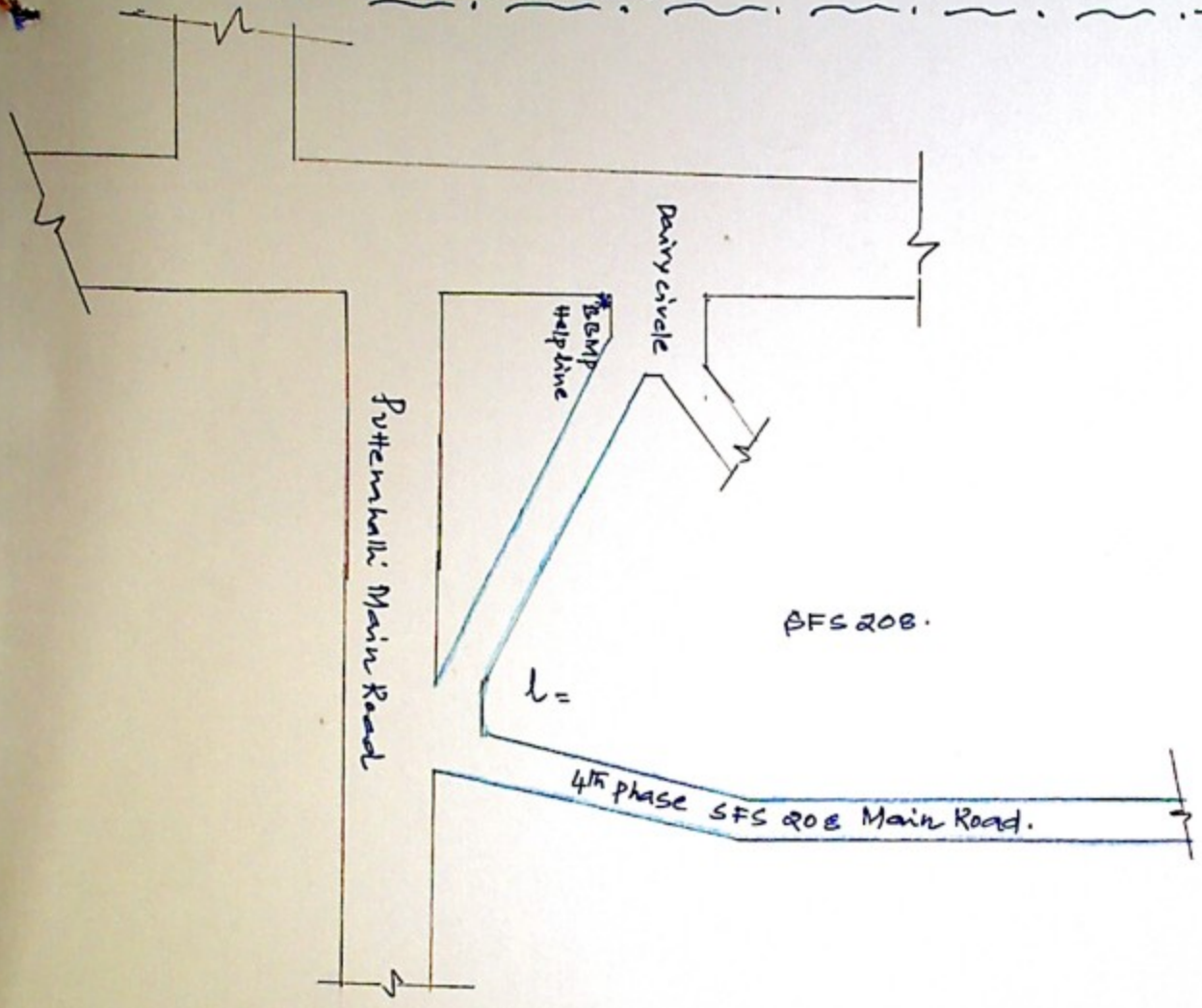
Executive E...

Technical Sanction
Accorded For ...175... lakh only
Head of A/C...P3296...
CER NO :...269... Dt:...09.01.2020

CE (YNK)

Bruhat Bangalore M...

Name of Work: Construction of RC drains and culverts in Balance work Yelahanka 4th phase and surrounding Areas in ward no: 3 Yelahanka sub division.



AE-3

AEE, YNT